INDEX TO WALLACES' FARMER

Vol. XXIX—JANUARY, 1904, TO JANUARY, 1905—Nos. 1 to 53

Page

Abortion....236, 511, 574, 855
carbolic acid as a preventive...361, 1498
in sheep 441
in sows 707, 1346
Accidents, shredder 36
Adulteration of seeds....1298
Advertisements, censorship of.... 859
Afterbirth at calving, retention of.... 550
Age of a horse, to tell.... 762
to feed steer, most profitable.... 82
Aggravated case, an.... 199
Agricultural bulletin briefs....1542
club, a boys'.... 820
college and allied institutions.... 1
college appropriations 410
college, needs of the state.... 326
colleges, the short courses at the.... 3
course, before and after taking....1073
education, Governor Cummins on.... 100
masses, how to reach the....1490
meeting, a novel.... 542
meetings at Lincoln, Nebraska.... 69
paper and allied institutions.... 1
reading, a young farmer's.... 324
unrest 569
Agriculture in Japan....1040
Alfalfa 316, 830
and barley for hogs.... 454
and clover seed, adulterated.... 1021
and corn 1344, 1380, 1555, 1565
and the clovers, relative value.... 1329
as a seed crop....1037
baling 787
disking 441, 571
dodder in 435, 942, 1254
effect of dry winter on.... 788
experience 706, 733, 914
experiments 399
feeding value 947
fever 369
field peas, and sand vetch.... 318
for hogs 116, 699, 705, 885
history 1535
in Illinois 836, 942
in Iowa 164, 239
in Missouri 868, 999
in the cornfield.... 926
in the humid section.... 941
in western Nebraska.... 903
in Wisconsin 1273
inoculation 329, 1064
meal 135, 646
on bottom lands.... 98
on oats stubble 855
pasture, mixed 2, 943
seed, importance of securing clean. 970
sulphur butterflies on....1186
try August seeding for.... 905
value of 654, 705, 885
where it is king.... 912
Alkali land, subduing an acre of.... 890
spots of Iowa....1639
Alsike clover 39, 435, 1062
for seed 834, 1096
American Poland-China Record Association 287
American Royal Live Stock Show....
....209, 530, 1334
Americans, interesting to.... 420
Ames, farm boys at.... 809
harvest home excursion festival at.1223
moral and religious influences at...1163
Angoras for brush and weeds.... 581
Angus cattle, increase of....1426
cows, milking qualities of.... 78
Animal industry, bureau of.... 1461
surgery 986
Ant and its dairy cow, the little red.. 833
Anti-pass bill, defeat of the.... 541
Apparatus, inaccurate 742
Apple, a new seedling.... 363
and plums, propagation of.... 576
for the Mississippi valley, summer.. 407
for the northwest....1538
freight rate on....1558
growers' meeting 672, 912
in cold storage 1350
keeping 1633
new and promising varieties....1371
packages used for....1332
rust on the cultivated.... 973
thinning 709, 737
to increase the market demand for. 765
trees for the north.... 44
trees, pruning 407, 641, 672
trees, retopping sweet.... 228
twig blight 973
varieties of 1303
April weather, average Iowa.... 491
Argentine as a corn country, the.... 39
Artichokes for hogs.... 130
Atlantic verses Gulf ports.... 906
Automobile on the farm....1115
speed of 883
Babcock test, the....1443
Baby beef 143, 447, 470
at the Fort Hays branch experiment station 883
Bacon curing, co-operative.... 148
production of 1238
Bacteria and jelly....1438
and legumes, nitrogen.... 539
Bad teeth and eyesight.... 49
Baling clover hay....857, 863
hay from the swath....834, 927
Banks, examination of private.... 284
Barley and alfalfa for hogs.... 454
and buckwheat shorts....1628
and corn 1631
corn, and rye for hogs, relative value of 1051
or oats as a nurse crop....1397, 1468
take care of your.... 755
the harvest crop.... 882
the little, wild.... 943
Barn, combined hay and cattle...788, 1295
disadvantage of a big hay....1407
itch 382, 586
plans 525, 758
Barred Rocks, black feathers in.... 74
culling 1046
mating 480
Baskets vs. bushels.... 197
Beans, velvet 572
Beef breeds, milking properties of... 79
calves, feeding 849
cattle, is quality deteriorating?....
....1289, 1374
cattle, supply and demand of.... 960
clubs, summer 700
cost of 808
growing in the corn states....1439
production, experiments 459
production, present methods of....1151
trust investigation 405
trust, Secretary Wilson on the.... 209
Bees and honey....1336
and poultry 764
conveniences, profit in....1163
fall and winter care of....1219
feeding 399
hive, worms in the....1041
in winter 1567
keep a few hives of.... 881
notes, seasonable ....
..291, 445, 641, 643, 954, 1044, 1231, 1471
their management 948
when they swarm.... 791
wintering in cellar....1308
Beet pulp for fattening sheep and

Page

lambs 302, 806, 1431, 1604
sugar industry, progress of the.... 704
Before the snow....1635
Belgium federation of agricultural societies 1565
Ben Davis (black) vs. Gano.... 478
Berkshire association meeting.... 167
Big jaw 318
Binder twine, measuring....1257
Birds and insects....1152
our Iowa 452
Blackberries in southeastern Nebraska 1467
and raspberry vines, care of....1023
Blackleg carcasses 470
how calves take it....1345
investigation 1459
Blight, fire 1362
Bloat, a remedy for.... 947
clover 613
Blue grass seed, harvesting.... 505
sod to clover, reseeding....1331
Boar, have you bought the?....1202
the kind to buy at the fair.... 913
Bob White, what does he eat?....1592
Bone, better 1540
cutter, will it pay.... 205
meal for fertilizer.... 362
Book farming 1602
Borax, is it healthy?.... 891
Borers 244, 815
protecting trees from.... 244
the round-headed 640
Bordeaux mixture for spraying, to prepare 791
Bots in horses....1291
Bottom lands, drowned out.... 971
Boys' corn districts.... 667
Brains as a farm product....1459
Breakfast foods 402
Breaking colts 849, 954
Breathe right, how to.... 4
Breed markings, impure.... 578
the fat into the milk.... 935
to keep, the.... 679
Breeder, doubtful 1296
Breeders, next year's....1268
Breeding, clinching improvements in. 1428
Short-horns, Mr. Cruickshank's method of 1126
Brome grass, the place for.... 36
Brood sows and pigs, handling....52, 459
and sorghum 418
feed for pregnant....300, 340
how long does it pay to keep.... 707
selecting 1104
Brooder chicks, bowel trouble.... 370
chicks, losses of.... 708
for chicks 331, 547, 579, 643
Brush land, management.... 470
Buck brush and sheep....284, 483, 1465
Angora goats for.... 382
Buckwheat 922
Budding 1081
Buff Jersey, notes from....1347
Bugs, corn bill.... 787
the squash 839
Buildings and pasture for sow and pigs 180
Business helps from outside the farm 35
Bulbs and house plants, handling....1347
Bull calf, don't play with the....1397
buying mature 868
Bulletin, a valuable....1634
Bumblebees and clover seed.... 725
Bushels and pounds or dollars.... 805
Bushels vs. baskets.... 197
Butter and butter fat.... 647
coloring and cream separator, should the farmer use?.... 142
fat and food, relation of.... 484
"fishy" flavor 1378
flavor in 250, 957
glazed 1201
how to color 79
making 1133
making, old cream for.... 110
renovated 1475
streaked and mottled.... 78
supply of England....374, 869
Butterflies on alfalfa, sulphur....1186
Buttermilk the elixir of life....1467
Buyer, the inexperienced.... 445
Cabbage snakes 1331
worms, death to....1115
Calf, care of the weanling....1167
feeding 589, 1095
how to get the.... 551
raising on $75 land (will it pay?).
....1367, 1368
skim-milk for the.... 714
Calves for summer market, feeding... 324
profit in raising 1475
ring worm in.... 295
winter care of.... 295
Campaign phrases, meanings of....1401
Canadian standard for poultry....1105
Cane or cowpeas.... 130
Cankered sore mouth in pigs....
....473, 653, 825
Car load exhibit....1528
Castrate pigs, when to.... 763
Castrated boars, bunches on....1274, 1346
Castrating, precautions in.... 612
Catalpa soil 319
two kinds 510
Catalpas 435
Cattle breeding classes....1529
breeding, co-operation in....1587
cars must be cleaned.... 835
decrease in she....1491
do not lose faith in.... 753
for shipment, preparation of.... 400
itch in the corn belt.... 671
problem, a practical.... 755
ranges, conditions on.... 420
sacrifice of half fat.... 477
situation, a banker on....1466
Cattlemen getting busy.... 759
Cedar, two types of.... 815
Celery, bleaching 1183
Cement floors 522, 869, 914, 1185
for cribs 1406
posts 441
water tank 1294, 1406
Central Short-horn breeders' seventh annual meeting 200
Chance for the boys.... 811
Changes in the prairie soils under continuous grain cultivation....1437
Charcoal for hogs....52, 1412
from corn cobs.... 571
Chats in the pig pen.... 166
on grasses 194
with farmers 67, 130, 162, 231
Chemists and the physicists.... 470
Cherries to buy.... 282
leaf spot 673
Chick, studying the unhatched.... 579
Chickasha stockmen 659
Chicken business 1646
chat 330, 838
garden 408
early 106
feeding 578, 814, 886
feeding bread 547
late hatched 814
pox 908
proverbs 1105
those poor 736

Page

Chiggers 444
Chinch bugs in the corn fields....1554
Cholera, chicken 514
hog 1444
infected premises, disinfection of... 620
scarcity this year....1617
Christmas address to western farmers 1594
Christmas in the Old Log Cabin....1602
Churnings, long or difficult....47, 1345
Cider and vinegar making....606, 1151
Citizens, Governor Cummins on the right sort of 321, 323
Clay land, clover on.... 277
spots on the hillside, white...1014, 1080
Climbers, ornamental 1500
Clover, a profitable crop.... 447
a stand of 361, 446
alsike 39, 435, 1063
and alfalfa, dodder.... 435
and timothy without a nurse crop, seeding 397
as a winter feed for hogs....
.... 52, 1104, 1168, 1412
bur 1364
burning over 1633
clipping young 1063
compared with alfalfa....1329
crimson 434, 1124
crop, plan for a larger....1554
hay 699, 830
hay, a catch crop.... 947
hay, spontaneous combustion.... 860
hay worm, the....34, 366
in corn 858, 1232
losses in young.... 641
mammoth and common red.... 358
on a dairy farm, a substitute for... 412
on clay land.... 277
reseeding blue grass sod to....1331
seed and alfalfa, adulterated....1021
seed crop 1466
seed midge 1326
seed, thrashing 1213
seeding on rye or winter grains....1331
sickness' 1217
specific purpose of the different.... 398
sweet 15, 135, 136
the time to sow.... 475
to cut second crop or plow it under.1221
why grow 483
winter killed 538
without a nurse crop.... 399
Coal ashes 401
for hogs 180, 454
Coburn resigns.... 602
Cock-of-the-walk 1046
Cocked ankles 978
Cockleburs, don't let them seed..... 945
handling ....
.....285, 453, 459, 470, 992, 1094, 1253
poisoning pigs 754, 763, 965
the right of the farmer to grow...1258
College excursions 732
our 165
Colt, care of the weanling....1152, 1366
take care of the.... 832
teaching to back....1183, 1233
orphan 701, 726
Commercial fertilizers ....
....37, 194, 373, 570, 1361
home experiments in.... 358
in Illinois 34, 399
in Iowa 794
Commercial wood preservers.... 683
Commission charges 1296
Congressman, watch that....1495
Constipation in new born animals.... 561
Constitutional amendment 1362
Contracts 885
Convention, a successful....1397
Co-operation in farming....469, 475
Co-operative efforts, don't scatter your 1014
enterprises 1573
experiments with farmers in Nebraska 590
Corn Belt Meat Producers' Association 175, 286, 367, 421
Corn, a catch crop of.... 324
a well prepared seed bed for.... 634
and alfalfa for cattle....1565
and alfalfa for hogs....1380
and barley 1631
and cotton seed for steers....1631
and rape, sweet 322
and soy beans, sweet.... 571
and wheat exports 786
another year of soft....1121
as hog feed, the use and abuse of. 20
barley, and rye for hogs, relative value of 1051
breeding, important points on....
....298, 364, 1073
clubs 33
breeders needed in our northern district 241
catch crops in....785, 1161, 1328
color and feeding value....570, 653
commercial grades of....1647
contest boys, a letter to the....
....542, 698, 1259, 1299, 1598
cost of growing....13, 114, 173, 338, 479
cribbing snap 1395
cribs, ventilation 1363
crop 806, 947, 1038, 1184, 1224, 1525
crop, most economical use of the..1042
crop, what is the matter with.... 417
cultivation, importance of extending it northward 366
culture 319, 439, 783
detasseling 506
early 636
exhibit, a fine....1223
experiments at the Kansas station.. 655
final cultivation 857
fodder as a cattle feed....1396
fodder, deterioration 1394
fodder, prepare to save it....1063
fodder question 990
for different latitudes 506
for hogs, frozen.... 300
for northern Iowa.... 265
for the boys.... 602
growing, a bulletin on.... 945
growing and judging 379
growing in the southern part of our territory 359
growers, a problem for.... 320
harrowing 698
how I grew my best.... 618
husking machine 1459, 1604
husking record 1565
ideal ear of 98
Illinois score card for....141, 295
in Iowa and Missouri, the quality of 101
in Minnesota 1627
individuality of an ear.... 806
late cultivation 1464
native types 8
on cloddy ground 602
on $100 land, growing.... 47
or Kaffir, field.... 471
plant the whole ear of.... 402
preparing land for.... 549
price of 1258
production and early and late spring plowing 1065
questions 131

Page

red stripes in yellow.... 638
(relative feeding value of ear, leaf, and stalk) 1013
root worm, how to prevent...1014, 1468
roots, what controls the depth.... 943
selecting a good ear not sufficient....1493
shocking 1330
show at Ames 103
shrinkage in 1290
some good 613
stubble and clover meadow....1590
stubble, fall plowing.... 966
students, opinions of.... 580
students, questions for.... 102
sucker, what makes 685
the deep or shallow cultivation of... 278
the probable acreage of.... 666
the proper seed bed for.... 538
the stand of.... 857
time to break prairie sod for.... 102
to grass, from 830
to sell or hold....1394
train, a special 605
train in Nebraska....1560
value of sweet 1555
varieties for Iowa 322
watch your seed.... 2
what is it?.... 755
what is a perfect stand of?.... 965
when to buy 1586
white or yellow.... 570
wide or close planting.... 362
yield, a good.... 7
Corner post brace....733, 758
Cornfield, sick places in the.... 945
consider the 970
Cornstalk, a remarkable....1296
disease 1522
how thick should they stand?..... 423
rape in 435
what to do with them.... 602
Corporation argument 1553
Cottage cheese 1078
Cotton boll-weevil....98, 782, 859, 1459
Cotton maple scale....880, 1272
Cotton seed meal for cattle....
....40, 383, 483, 1503, 1631
for hogs 727
Cottonwood 709
Cough in pigs....1540
County agricultural school clubs..... 668
poor farms, management of.... 807
Country homes, a hundred.... 146
Cow and the hen....1375
an interesting case....1111
and cow feed 174, 915
demonstration at St. Louis....1052
breeds and types 11
cut teats in 413
feed for next winter.... 375
for Mexico 1507
on shares 46
on the Minnesota farm, common...1273
that mother and the girls raised... 981
twenty-five good 1538
weeding out the 79, 893
Cowbane 877
Cowpeas....358, 401, 434, 545, 673, 923
and soy beans....285, 586
for fertility 495
in Illinois 115
in northern Iowa 434
in Oklahoma 483
or cane 132
Coyotes and skunks, to kill.... 754
Cream, cooling 485
foamy 250
get top prices for....1570
hints on separating 615
or milk, selling 485
quality of 472, 743
samples, preserving 485
separator and butter coloring, should the farmer use?.... 142
testing 208
Creamery cans, the durableness of...1443
model 1618
patrons, a word to....1378
sharks 797
waste for sows 813
when to build....1201
Creameryman, opening for.... 893
Creaming milk 646
Crib and hog house, combination.... 490
Crooked toes 514
Crop conditions 706
notes 811
report, August 1020
report, Iowa 557
report, July 923
report of 1904, preliminary....1437
rotations 359, 784
year, a good 1255
Croppers, rights of 195
Crops and live stock adapted to the soil and climate....1462, 1463
and physical condition of the soil....
....809, 1365
conditions for good....1329
dangers in bumper 1397
estimate of J. J. Hill on the.... 1258
for the farmer, new.... 878
from low lands.... 39
in Minnesota 971
in the northwest territories....1019
on newly drained land.... 283
overestimating 882
Cuba, our trade with....1468
Cultivator, don't get it too deep.... 853
Currant and gooseberry bushes, saw-fly on 815
and gooseberry worms 887
Cut bone for hens....1574
Cut-over country as a sheep country.1593
timber lands in northern Wisconsin, development of 23
Cutworms in blue grass sod....634, 788
in corn on sod....1253
Dairy (a chance to make a reputation and good money) 845
barn, a modern.... 110
building up a.... 111
cattle for Philippine government.. 892
cleanliness in the....1410
cow, care of 334, 1410
cow for the small farm....1539
cow, the profitable....142, 208, 771
cows, alfalfa meal for.... 646
cows, roughage for....1539
cows, testing 770
cows, timothy or clover hay for..... 374
cows, winter feed for.... 374
farm, a substitute for clover on a... 412
herd, breeding 1443
instruction in country schools..... 615
interest in Kansas....1345
ration for the inter-mountain states 413
schools 1236
Short-horns 821
(two often overlooked essentials)...1309
yield vs. profit.... 646
Dairying and farming in earnest.....1506
at the Iowa Agricultural College... 615
in Missouri 46, 1643
in Nebraska 714
in southern Iowa and northern Missouri 1643
on a sixty-acre farm 78
some things I have learned about... 294
Dairyman, a successful Kansas..... 715

Page
Damaged grain as hog feed..... 340
Dehorning calves 653
cattle and abortion..... 511
chemical 1643
Denver meeting of stockmen..... 670
Department and experiment stations.1533
Devil's Lake Reservation.....1017
Devon cattle registry..... 967
Dewberry, the 493
Diary of an abused lot..... 611
Digestive power of the cow..... 884
Ditches, tile or open..... 279
Dip the pigs 882
Dipping hogs in winter..... 300
oil for 1634
tank, cattle 602, 883
vat for hogs 735, 1375
Discontent in Texas..... 110
Diseases among young cattle and calves 818
of animals, contagious.....1395, 1465
of sheep 944
Disinfecting power of coal tar dips... 884
Disking cornstalk land..... 398
Dodder 942, 1254, 1363, 1554
Dogs and sheep..... 100
Dollars rather than bushels or pounds 805
Doukhobors as progressive farmers..1290
Draft horse in Kansas..... 554
what kind 1587
profit in 1425
Dragging roads 729, 783, 788, 906, 1163, 1292
Drain, the right to.....1292, 1627
under the road, the..... 499
Drainage, a problem in farm..... 968
bulletin, Iowa 890
convention, Iowa 108
drainage law, Iowa..34, 66, 622, 809, 1047
engineering 302
for bottom land, tile.....671, 1291
neighborhood 966
or good roads, good..... 367
problem 212, 1184, 1363, 1524
systems, cost of..... 132
Drained land, crops on newly..... 283
lands, to correct the sourness.....1605
Dry land station (South Dakota).... 991
Dry lot or pasture finishing..... 525
Dual or special purpose cows....715, 1237
Short-horns 1052
Duck growing 74, 685, 814
notes 515
Ducklings, food for..... 578
Duroc Jersey litters, large..... 913
Ear-marks on cattle..... 130
Education of the farm boy..... 1015
the farmer's 493, 1521
versus ignorance in Kansas.....1052
Eggs, prospective market for.....1268
time taken to fertilize..... 170
Emmer, or speltz..... 571
Empire meet, the..... 516
Endorsement of note 360
English Royal 923
English sparrows 571, 651
Ensilage and silos 449
clover 571
feeding 143
for feeding steers.....1222, 1645
Entries for the International.....1396
Ergot in rye..... 1014
Eucalyptus tree, the..... 137
Evaporation by wind..... 555
Evergreens, growing 368, 641, 791
homes, our 1605
Everlasting swindler, the..... 45
Experiment farm, Marshall county...1166
stations, a job for.....1585
stations and allied institutions.... 3
stations and the department..1533, 1566
stations, business methods at.....1497
stations, county 400, 1095
Exports, agricultural 1183
and imports, nine months.....1395
Eyes, sound 382
Eyesight and bad teeth..... 49
Fair, give the girls and boys a chance to attend 994
do we need fakirs at the.....941, 1062
Fall, a dry 1554
Fall in beef prices, why the..... 195
Fancier, the back yard..... 998
Fare, the two-cent..... 325
Farm boy who aspires to be a farm manager, the 517
fancier, the 138
help and management 880
machinery, the evolution of.....1337
management 867, 880
papers of foreign lands..... 195
plans for the next year..... 66
what goes with a sold.....1397
separator 209
Farm separator 209
boy, the 462
separator cream, handling 78
Farmer and his reading matter..... 601
and prosperity, the..... 68
and the grain buyer, the.....1218
and the jobber, the..... 2
and the packer.....1200
or the season 902
an important matter for them to remember 830
child and the high school..... 278
clubs 703, 768, 1002
grain dealers' association of Iowa...1398
Farming on poor land..... 573
Farms, large and small..... 855
the nation's bulwark..... 37
Fat stock 1527
Fat, variations in the per cent of.....1273
Fattening calves 1065
poultry 998, 1461
Fed sweepstake steers..... 26
twenty steers for $6.40..... 896
Feed and care for the sow and pigs.. .....84, 418, 549, 588, 763, 1346
for baby chicks 643
for hogs, cooking 707
for hogs of various classes..... 256
for hogs, second crop clover as winter 1104
for hogs, summer..... 620
for pullets 1480
for stock, molasses..... 446
lots, shortage in.....1427
or not to feed cattle.....1181, 1556
the young boar, how to.....1412
rack for hay 447, 522
rack, to build a.....364, 372, 682, 1401
rack for hogs, self..... 684
Feeders and shippers, ills of..... 619
from an old.....1637
some thoughts for cattle.....1233, 1591
Feeding, a report on cattle..... 1458
and good hatches, heavy..... 409
bulls for sale..... 11
calves.....324, 666, 849, 1095, 1556
carcasses to hogs..... 705
fat into the milk.....1490
floors 577, 591
for fall or winter market.....141, 1407
for milk 583
new corn 1027, 1168, 1183
of $6.40 cattle.....1316
on grass, summer.....499, 671, 762
problems 35, 1150, 1182, 1555, 1631
questions in Missouri..... 198
rack for fodder, movable.....1375
steers 1330, 1608
stuffs, inspection of..... 7
stuffs, value of different kinds..... 162
the young bull.....115, 117
Page
value of potatoes for hogs.....1274
value of rusted wheat.....1468
Feeds for different classes of stock... 5
mill 441
Fence building as a congressional means of grace.....1218
post question 586
Fences and fencing..... 372
partition 1295, 1363, 1430, 1633
stays for wire..... 373
Fertility, how long will it last?..... 141
in truck farming, maintaining..... 540
inexhaustible 1256
problem of the west..... 13
rotation to maintain..... 575
soil 362
without live stock..... 318
Fertilize the land not the crop..... 65
Fertilizers and manure.....1491
Fertilizing cakes 1460
Fever immunization of northern cattle, Texas 1315
Five days' market.....1153, 1218
Five-finger 806
Five-year record of an Iowa farm... 9
Flax on sod 1489
Flax seed vs. oil meal..... 37
Flax wilt 164
Flea pest 947
Flesh formers and fatteners.....757, 1466
Flood damaged lands..... 507
Floral notes, winter.....1533
Fodder, cost of shredding..... 513
Food and butter fat, relation of..... 484
for fattening hogs, variety of.....1310
green 1436
notes 1300
ours and our live stock's..... 474
values, relative 1633
Foot rot in sheep..... 972
Forest and orchard trees..... 650
conditions 76
Forestry, American and Canadian disposal of 1151
Forcing cows in heat.....1261
Formalin, uses of.....592, 669
Fort Dodge, happy..... 2
Fourth Congressional District of Iowa 638
Freak of nature 525
Free-martins 543
Freight producing capacity of the steer 1182
rate preferences (chickens coming home to roost) 806
rates on apples.....1558, 1563
rates, the gradual increase of..... 755
From a few of our friends..... 299
Frost danger to the corn crop..... 993
in Illinois, date of killing.....1020
that does not hurt.....1298
Frosted combs 1613
Fruit and poultry farming.....1627
growers and the railroads.....734 1563
packages, new 641
prospects 677
trees, injury by mice..... 407
trees, pruning 288, 608
trees, spraying 368, 709
uniform prices for..... 737
Fruits and trees for South Dakota.... 168
picking and marketing small..... 672
preserved in liquids..... 587
Galloway association 287, 516
Game on the farm, protect the.....1554
Gano vs. Black Ben Davis apple.... 478
Gapes 1046
Geese 928, 1404
General assembly, salaries of members 575
Get-rich-quick microbe 880
Getting papers for nothing..... 549
Glacial period 507
Gluten meal as cattle feed..... 8
Goats, takosis, a contagious disease.. 473
Gooseberries 1636
and currant worms 887
mildew 887
Gopher pest, the.....318, 759, 1495
Government crop report 39, 70, 703, 809, 1296
live stock estimate..... 286
Government control of combinations.. 991
Grading up 653
Grafting, top 478
whip 288
whole vs. piece root 137, 244, 443, 545, 608
Grain belt and the range..... 213
buyer and the farmer.....1218
buyer and Wallaces' Farmer.....1123
dealers, Iowa 731
dealers on the seed trade.....1019
experiments, Kansas small..... 856
exports, decline in.....1038
goes to market, how our.....1326
grader and cleaner..... 607
on grass 770
rations, light 39
report, March 440
selling on its merits....712, 726, 831, 922
weevil 367
Grape juice, production and use of...1009
Grass, barn yard..... 994
chats 280, 405, 1373
for overflowed lands..... 538
for peaty lands 1627
for southern Nebraska.....1333
Ingalls on 768
quack 878, 1628
seed mixtures 237
seeds, adulterated 198
squirrel tail.....859, 932, 990
velvet or soft meadow..... 476
western wheat 1014
Grease-heel or scratches in horses... 482
Green Ridge Farm, notes..... 447
Ground rock phosphate..... 254
Grove, starting the..... 640
Grub, the white 244, 909
or warbles in cattle.....320, 495, 509
Guarantee to stand up and suck.....1127
Gue, death of ex-Governor of Iowa.. 785
Guessing contests (an interesting decision) 1525
Gulf ports vs. Atlantic..... 906
Gypsum as a fertilizer 666, 820, 948, 1084, 1308, 1331
Half-mile track good enough.....1522
Happy New Year.....2, 1626
Harvesting fifty years ago.....966, 1045
Harbors and rivers, improvement of.. 232
Hard maples 791
Harness, oiling 580
Hatch, poor or good....371, 409, 445, 546
Hays, Assistant Secretary of Agriculture 1610
Hay and pasture 1471
barns 635
crop, supplementing 698
dump 812
measuring 383, 541
rack, plan 525
relative value of different kinds... 66
rope 808, 883, 927
stacks, cover for.....1558, 1637
Heaves 477, 855
Hedge, killing 446
Heifer beef 836, 854
time to mate young..... 811
Help problem, the.....51, 579, 880, 1642
Hen, a protest from.....1646
and pullets 1574
and the cow, the.....1375
house, modern conveniences in..480, 610
sick 578
the little black..... 42
Hepburn, open letter to Hon. W. P...1122
Page
should answer 1261
Hereford association 455
organization, for a new..... 41
for milk 1642
Hernia in colts..... 999
Herrick and the Ohio farmers.....1294
Hessian fly in the spring wheat area.. 757
Hides, grades of..... 761
High school and the farmer's child... 278
Hillsides, washed 5
Historic tree 1269
Hog cholera 84
feeding problems, a 1003
house 196, 490, 707, 1003, 1168
lice, killing of 1466
packing for the last three months.. 789
pasture, a quick..... 214
pasture, rape and rye..... 418
pasture, renewing a.....1508
pasture, sorghum 380
the farmers 1083
Hogs and rape.....1380
and sand 1572
breaking down 1476
breeding and raising..... 562
care and treatment.....1003
charcoal for 52
digestive and assimilative capacity.. 472
feed, cooking 380
finishing 150-pound 1608
frozen corn for..... 300
making them profitable..... 556
rooting up their pastures.....1617
selling by the score card.....1476, 1572
success with 1138
swollen jowls 1644
the summer supply of..... 653
to fatten or to sell.....1202
Holstein dairy test 583
Home beautiful 494, 677
the Iowa farm..... 593
Homestead entry, qualifications for... 759
law, amended Nebraska..... 863
law, the new..... 699
Horse and the horse industry, the..... 384
head, the 51
show at St. Louis.....1114
show, Chicago 1531
the striped cavalry 1474
the thoroughbred and standard bred 702
Horses, best type for the farmer..... 389
breed "class" 249
how to raise good..... 109
inflammation of the mouth of.....1501
on the farm, good walking..... 775
wanted on the market.....1302
Horticultural notes.....288, 544, 1272, 1303
questions 672
report, Iowa 576
society meets, northeast Iowa..... 44
terms, explanation of..... 12
Horticulture at the state fair..... 887
schools of 442
the future of..... 545
Hot beds, how prepared..... 512
Hughes anti-pass bill.....283, 436
Humus and its value..... 645
Hydrophobia, cattle have..... 849
Ice house, farmer's.....1503, 1538, 1555
in fodder, packing 286
Illinois crop report.....1596
farmer in Iowa.....1458
Short-horn breeders organize..... 420
swine breeders 8
Immigration, westward tide of.....1042
Imports and exports, nine months...1395
from tropical and subtropical countries 1290
of food products into the United States 1329
Impotency, temporary 819
Improved cattle, buy.....1364
Inbreeding, does it produce deformities? 530
Incentives to become farmers, some of the 53
Increase in farm separators, the..... 174
the bushels or the price..... 638
Incubator and brooder, the best..... 331
chicks dying 764
chicks, handling 514
clean up the 43
last year's 445
on the farm..... 708
the novice with..... 579
what is it worth?.....1613
Indian corn and Kaffir corn..... 523
reservations, Rosebud and others... 700
Indigestion, chronic 908
Insect fighting 640, 686, 927
and birds 1152
in the stored grain.....1185
pests and crop rotation..... 784
pests and one-crop farmers..... 754
pests and wet seasons..... 854
Institute, a record breaking..... 572
and allied institutions..... 1
how to organize a farmers'.....1062
how to run an..... 35
Iowa State 1431, 1494, 1597
orator 1496
Platte County, Nebraska..... 212
system, Iowa 1292
weak point in the average Iowa..... 197
workers, a suggestion to.....1632
county 53
circuit 854
farmers' 1500
Nebraska 279
subjects for discussion at.....922, 1002
(why this extravagance?).....1304
International Live Stock Exposition.. .....946, 1431, 1526
Interstate breeders' meeting..... 287
commerce act, amending the..... 99
commerce commission some real commerce laws 1290, 1402, 1442
power, give the.....807, 1018
Iowa Agricultural College appropriations 575
Agricultural College in student judging contest 97
agricultural union 104, 1560
breeders, special premiums for..... 787
capitol building damaged by fire.... 38
constitutional amendment 1326
crop report 21, 866
Duroc Jersey breeders organized...1085
law, upholds the..... 821
legislation, needed 98
legislature, the 201
live stock in the Chicago market.. 926
State Fair.....994, 1017, 1018, 1066, 1611
State Horticultural Society.....1497
stock at St. Louis..... 946
swine and corn breeders meet..763, 1611
Iragraph, the 1607
Irrigation water for different crops, amount of 1495
It pays to be honest..... 878
Itch, barn 382, 586
Ivy in the lawn, ground..... 318
Jack-knife subscribers 133
January weather in Iowa the past quarter century 115
Jelly and bacteria 1438
Jobbers and the farmer, the..... 2
Judge, hand of the.....1491
Judging at the International, students 1593
contest, a county..... 970
for boys, county fair stock.....1267
live stock at county fairs..... 945
poultry (one view of the subject)..1075
school, local corn and stock.....1295
team is named, Iowa.....1477
Page
Kaffir corn vs. field corn.....471, 523
Kansas breeders 7, 139
crops 101, 812, 1501
crops—grown at the agricultural college 416
short course students visit the Wolff packing plant 491
wheat crop 923
Keep a note-book..... 480
sweet 877
Kerosene emulsion 602
Labor in different countries, division of 1294
Lamb feeding 115, 1221, 1428
on feed, starting.....1405
Land hunger' 902
plaster or gypsum.....948, 1084, 1308
ruling, a new..... 7
rush, a good natured..... 458
sharks, beware of..... 812
values, Indiana 45
Landlord and tenant..... 458
short-sighted 405
Lard, rendering and keeping.....1434
Law, a question of common.....1492
second year of the new road.....1236
Lawn, the 576
Lawyers, too many poor..... 35
Layers, buying winter.....1404
Lead and oil for wounds on trees..... 76
Leaf-spot 839
Leaving the farm 1301
Let it go..... 417
Letter that does the work, the..... 74
Legal questions.....506, 1328, 1626
Legislation affecting farmers, Iowa... 287
in Iowa, agricultural..... 281
Wallaces' Farmer and anti-monopoly 404
Legislature, (how not to do it).....1629
the Iowa 201
Legumes and nitrogen bacteria..... 539
for fertility 397
Leguminous trees 571
Lice on chicks.....764, 814
on colts 242
on steers 482
Lightning and telephone wires.....1333
protection from 538
rods 284
Lime as a fertilizer.....1040
not a fertilizer..... 570
Lincoln meetings, the..... 178
Linseed meal or cotton seed meal for steers 40
Liquidation in live stock..... 83
Listed corn, cultivating..... 728
corn in Illinois..... 98
Live covers 1438
Live stock and crops adapted to the soil and climate.....1462
and patriotism 138
and profitable farming.....1489
and railroads 1494
at the Iowa state fair..... 994
at St. Louis 1904.....10, 883
fertility without 318
good time to engage in breeding improved 161
interest of Iowa..... 727
rates, reduce Iowa..... 196
show 1067
Liver trouble 1499, 1542
Living soil, the..... 437
Loans on cattle paper..... 9
Lucerne 830
Lump-jaw 318, 333
Lung trouble in pigs.....1572
Macaroni wheat.....320, 511, 668, 1095
possible market for..... 508
Maladie Du Coi..... 540
Man and the pedigree.....1310
Management of a somewhat worn farm 130
Mange, government formula for.....1638
in horses 482
in pigs 1476
or scabies in cattle..... 332
Manure, aged 1362
and fertilizers 1491
crop 1464
factories, cattle as.....1362
loaders and spreaders.....1374
spreader, use the..... 854
value of poultry.....547, 610
where to put the.....99, 194, 606, 989
Manurial value of wood ashes..... 358
Mares, breed draft..... 3
loss of milk in..... 702
sterility in 530
Market cattle, more even distribution needed 896
classes of cattle.....1018
terms for cattle.....1038
Marr, W. S., death of..... 905
Mating time in the stock yard.....1217
chance 708
Measuring hay 163, 383
Meat waste in cooking.....1291
Mice in orchards..... 673
plague of 602
Milk affected by food..... 678
bitter 646
blue 742, 1571
cans, sterilization of..... 679
care of 518
feeding for 583
fever 582, 742, 869
Herefords for 1642
lumpy or stringy..... 550
or cream, selling..... 485
per cow, amount of.....1410
petrified 770
ropy or slimy.....1111
supply, to increase..... 771
tainted 1133
temperature of 14
tubes, use of 614
weed 884
Milkers, hard 1643
in all breeds, good and bad.....1411
Milking, nervous influence.....1079
properties of beef breeds..... 79
qualities of Angus cows..... 78
to feed cows before or after.....1411
Mill feeds 441
stuffs, high price.....1150
Millet as a nurse crop..... 570
as hog feed.....1540
for sheep 232
growing 1628
hay 543
varieties 756
Minnesota state fair.....1101
Minorcas 74
Missouri Berkshire breeders.....1498
corn growers 134
station co-operative feeding experiment 247
Valley Apple Growers' meet..... 168
Mistakes of the year.....1586
Mites in the hen house..... 515
Molasses as a feed for stock..... 446
beet pulp, dried.....1184
for skim-milk calves..... 15
Mole, the common garden.....1080
Monopoly, organization relief for..... 591
Montana Cattle Breeders..... 420
Moon blindness or periodic ophthalmia 363, 1016
Morals of high finance..... 902
Morning glories 942, 999, 1628
prayer 1333
Mosquitoes, prevent 727
Move to town, should the farmer?.. .....1394, 1464

Page

to town, ancients who have.....1637
Moving seed corn south.....193, 332
seed oats south.....357
time.....453
Mustard, spraying wild..4, 318, 586, 603, 968
Mutton growing on the farm.....1426
Mutual insurance.....659, 1590
telephone companies.....732
National Live Stock association..1331, 1495
Navel diseases of colts..879, 932, 1197, 1347
Navy beans, to grow.....557
Nebraska cattle ordered dipped.....455
exhibit at the world's fair.....606
Horticultural society's summer session.....1081
notes from southeastern.....758
state fair.....1108
"Never Stops".....1558
Nitrogen fixing organisms, free distribution of.....613
Northern Securities decision.....440
Notes from Johnson county.....887, 1231
Nurseryman, the home.....105, 203
Nye as a dairyman.....845
Oat crop of Kansas, improvement of..378
and barley, seeding on.....1397
and speltz.....245, 363
breeding.....539
cheat in.....883
culture.....1326
follow oats, should?.....1123
for northern Iowa.....283
from farther north.....357, 1468
hay, value of.....505
in Iowa, seed.....245
or barley as a nurse crop.....1468
securing improved varieties.....831
Swedish select.....882
Ohio farmers and Governor Herrick..1294
farmers hard hit.....704
Oil and lead for wounds on trees.....76
Oil meal, flaxseed vs.....37
for pregnant animals.....1631
old and new processes.....754
or cottonseed meal.....410, 483, 1631
why we feed.....506
Oklahoma feeding experiments.....654
Oleomargarine, a word of caution.....1619
decision, final.....1379
law.....647, 796
Open letter to Hon. W. P. Hepburn..1122
Orchard and forest trees.....650
and orchard lands, selling value.....12
cover crops.....1326
culture, different methods of.....1084, 1400, 1567
fruits, increased plantins.....44
management.....137, 576, 608, 791, 887
site, selecting.....512, 640
trees, protecting.....1442
Orcharding in west central states, commercial.....1195
Organizations, strengthen.....1567
Over-capitalization of industries.....1524
Overflow, damage to growing plants from.....321
lands.....782
Ozark country, notes on.....529
Packer and the farmer.....1200
mistakes of.....1100
the sin of the.....995
Packing house at Ames.....327
house strike.....924, 969, 1062
system, good and evil of our.....66
Paint, a cheap.....555
Paralysis in swine.....652, 955
Parcels post and post check currency.....279, 942
Partition fence question.....943
Partnership, a question of.....70
in live stock between landlord and tenant.....298
in poultry business.....204
Pass and its effect, the legislative...619
the return stock.....6, 440, 666, 1020
Pasture and buildings for sow and pigs.....180
for dairy cows, quick.....893
for hogs, permanent.....1412
for horses, winter.....1592
improve the..10, 286, 453, 1096, 1474, 1627
or dry lot finishing.....525
Pastures, cultivating permanent.....539
mixed grain and grass.....3
mowing.....990
to supplement in a dry time....484, 581
value of.....165, 891
Pasturing cattle, season for.....1435
the highway.....807
Patrimony, shall we leave our children, what.....656
Patriotism and live stock.....138
Pavilion, Harlan sale.....871
good sale.....785, 992
Peach crop outlook in Nebraska.....406
Peas, sand vetch and alfalfa.....318
Peat bogs, how to deal with.....781
for fuel in Iowa.....278
soils, potash on.....1470
Peaty lands, crops for.....383
grasses for.....1627
Pedigree and the man.....1310
stock, assessment value.....284, 446, 525, 579
use and abuse.....97
Pen for brood sows, proper.....148
Percheron Horse Breeders.....397, 1636
Perdue, field day at.....1225
Periodic ophthalmia, or moon blindness.....363, 1016
Phosphorus and potassium.....456
Physicists and the chemists.....470
Pig buying by phone.....454, 653
crop of 1904.....763, 835, 861
fall.....653, 763
feeding.....588, 652, 1083, 1168
in alfalfa.....699
losses among.....677, 1572
orphan.....454
Plant breeding.....434
handling bulbs and house.....1347
louse, life history.....507
what to.....912
Plea for a sane Fourth.....906
Plow, the frost.....7
Plowing and corn production, early and late spring.....1065
best time to harrow fall.....1497
depth.....361, 436, 653
early and late fall.....1085, 1186, 1197
fall and spring.....1123
match at Wick.....1043
Plum curculio.....328
growing.....1308
harvesting and marketing native..737
killing out.....1638
propagation of.....576
seedling.....478
stocks.....202
thinning.....737
top grafting the.....608
varieties of.....1501
why fail to fruit.....973
Poland China, the...735, 813, 861, 933, 979
Politics, the possible jumping off place in.....1427
Polled Durhams.....944
Popcorn.....700
Pork, cure your own.....1626
packing, co-operative.....572, 1523
packing in Iowa.....418
Post check currency and parcels post 942
Post timber.....472
Postal reforms, needed.....1626
Posts, cement.....441
on the roadside.....440, 525

Page

Russian mulberry.....507
Potash on peat soils.....1470
Potassium and phosphorus.....456
Potato crazy, seed.....132
culture.....4, 537
for hogs.....1274, 1412
growing in Colorado.....1480
growing, selection of seed.....1297
high priced.....111, 571
keeping seed.....293
large vs. small.....619
new varieties.....726, 1219
patch.....1267
scab.....506, 703
the Eldorado.....667
spraying.....1565
whole vs. cut, for seed.....1347
why do they fun out.....698
Poultry, a little protest.....675
a stitch in time.....1268
and bees.....764
and fruit farming.....1627
and women.....974, 1574
at the state fair.....1075
beginners with.....205
breeder as a salesman.....444
breeding notes.....515, 611
breeds, the purity of.....1046
chats with correspondents.....370
exceptions.....371
farming.....1300
fattening.....998
figures vs. facts.....642
food.....43
(from a farmer's wife).....1301
house plans.....22, 408, 674, 1480
little things that count with....546, 998
mistakes concerning.....790
notes.....43, 106, 170, 409, 481, 546, 611, 736, 790, 814, 838, 862, 950, 1075, 1105, 1268, 1300, 1370, 1480, 1498, 1499, 1613, 1646
(overheard on the street car).....928
prices to purveyors.....1404
products, disposing of.....886
questions and answers..42, 246, 643, 1022
reading matter.....1646
record, an exceptional.....22
results, some wonderful.....1336
roupy colds in.....22
show, the Des Moines.....106
terms.....42
trade of Denmark.....790
when doctors disagree.....290
Prairie dogs and other rodents, destroying.....321, 1366
sod for corn, time to break.....102
Previous impregnation, effects of.....300
Price of hogs, drop in.....1380
Priced breeding stock, high.....1498
Prices for chickens, high.....814, 1022
for forty-five years.....946
Printing for breeders.....955
Private car robberies.....1030, 1328
Prize winning corn, how the boys raised.....488, 548, 609
Profitable farming and live stock....1489
Profits in a large yield.....1457
Prosperity and the farmer.....68
Protecting trees from borers.....244
from rabbits.....40, 105, 203
Protein and starch.....362
for pigs, raise.....556
Pruning raspberries, gooseberries and currants.....973
trees and shrubs.....9
Public sales of pure bred stock.....1493
Pullets, care of.....862
for winter layers, raising.....764
Pumpkins, plant.....666
seeds, value of.....1150
Pure breds, starting in.....246
Pursiane a thirsty plant.....1269
"Q." corn special.....644
Quarantine new birds.....1480
Questions.....401
for corn students.....102
Rabbits, protecting trees from..40, 105, 203
Rain follow the plow, does.....1257
Rainfall, seasonal.....1218
the season's.....842
Railroad commission, absurd claims of the Iowa.....669
and live stock.....1494
and the fruit grower.....734
and the government.....1590
and the stockmen.....325, 366, 573, 604
commission fiasco.....638
commission, President Ames on...673
commission, to abolish the.....404
commission, why not make it appointive.....471
crossing, the.....34
have their parasites.....832
private property, is the.....1604
rates.....411
service, fitting farm boy for.....1327
the chief end of.....510
Ranch fences in Nebraska.....602
in western Nebraska.....1588
Range and quarantine cattle at St. Louis.....455
and the grain belt.....213
bred cattle, handling.....51
lands, the ownership.....243
lands, value of.....667
Rankin's success as a cattle feeder and corn grower.....574
Rape.....360
and hogs.....418, 1380
and sweet corn.....433
as a winter pasture.....245
disease caused by.....913, 955, 1380
for hog and sheep pasture.....588
hard on land, is?.....951
in corn.....435, 1494
on the same land.....470
taints milk.....448, 551, 583
Raspberry, a new.....1371
and blackberry vines, care of.....1023
bed, starting.....1084
red and black.....1498
Rats and sparrows, ridding the premises.....329
disease germs for.....843
eating harness.....683
Rates advanced, have railway?.....1254
investigating western cattle.....1153
on live stock and their products.....1182, 1293
stockman's demand for lower on stock.....439
Ration for brood sow.....300, 588, 1238, 1254, 1644
for calves.....1395, 1458, 1631
for cattle.....367
for chicks.....408
for dairy cows..1379, 1411, 1507, 1538, 1642
for pigs.....214, 456, 684, 789, 913, 1238, 1254, 1644
for shoats.....454, 1471
for steers on feed.....281
Reading matter and the farmer.....601
Reform, a wave of.....1522
Registered cattle, buy now.....1327
Renters, unfortunate.....167
Renting farms stocked and equipped..293
for cash, danger of.....1126, 1136
land, methods of.....163
on shares.....19
stock farms.....967
Report of secretary of agriculture....1534
Retired farmers, concerning.....278
Rhode Island Reds.....514
Rhubarb.....791
Right-of-way, new.....238

Page

Right time, the.....295
Ringworm in cattle.....295, 1201
Rivers and harbors, improvement of..232
straightening a.....1619
Road associations, county.....968
dragging.....729
hard.....197, 207, 775
improvement.....3, 50, 111, 141, 213, 255, 267, 329, 339, 438 456, 570, 863, 897
in Illinois, good.....699
interurban.....730
question in Iowa, the.....18
resolutions adopted by the farmers' institute.....1406
or good drainage, good.....367
tiling.....239
woman's plea for better.....320
Roosters, ten cent.....1436
Root crops for stock.....316
Roots will fill tile, what?.....991
Rose comb breeds.....1542
Rosebud and other Indian reservations.....700, 704, 947
Rotation of crops.....1149, 1337
to maintain fertility.....575
Roughage for the dairy cow.....1539
for steers.....1330
Roup season.....1574
Roupy colds.....204, 1336
Rural mail delivery.....318, 679, 1593
Rust, black.....1099
effect on straw and grain of wheat..1502
Rye and rape for hog pasture.....418
as a pasture and fertilizer.....1554
corn and barley for hogs, relative value.....1051
for late and early pasture.....1063
for poultry.....1436
soaking.....1444
wild.....1344
Sabbath working.....883
Salaries of the members of the general assembly.....575
Saloon and the farmer.....1524, 1636
Salting cows.....679
Salts of iron, growing.....1150
Sand and hogs.....1572
Sandy subsoil, rich land on.....992
Sanitation on the farm.....1016
Sawfly on currant and gooseberry bushes.....815
Scabies or mange in cattle.....332, 562
Scaly leg.....1336
School books, change of.....542
Science, digested.....1097
Scores of winning fowls.....408
Scratches or grease-heel in horses...482
Scrub versus the thoroughbred.....762
Season or the farmer.....902
Seed corn.....441, 635, 636, 1633
at public sale.....811
be shelled, should.....193
buying.....475
harvesting and storing.....1259
improving and saving.....265
in the ground, to protect.....1347
losses in.....359
on growing.....580, 1220
saving and tests.....443, 459, 581
selecting.....513, 1094, 1458
tested in 1903, varieties of.....173
to hang up.....1396
watch your.....2
Seed for next year.....835
adulterated.....1045
grain, purchasing.....327
look up your.....133
potatoes, selection of.....1522
potatoes, should they be cut?.....358
protection from mice and worms...411
pure.....292
Seedsman, to sanctify the.....946
Separation, clean.....375
Separator, buying a.....375
cold water.....1079
milk vs. whey.....572
the farm.....79, 679, 981, 1428, 1492
Services of bull, value.....495
Sewage system for the farm....1125, 1219
Share, what is proper.....1587
Sharing deal, that.....71
Shed for teams at church.....373
Sheds, hay and cattle.....788
portable sheep.....1200
Sheep and buck brush.....483
and dogs.....100
and swine hurdles, some common..1405
breeding in England.....925
diseases of.....944, 972
feeding.....843
for a weedy farm.....232, 896
for brush pastures.....1468
husbandry.....555, 896, 1533
in the corn belt.....1255
in Wyoming.....760
millet for.....232
minding in the Antipodes.....1085
or cattle on pasture.....852
pasture.....131, 879, 1468
Shearers' union.....603
shearing contest.....1220
tails.....434
ticks.....163
what breed.....1221
why not keep a few.....1219, 1468
Shipper and feeder, ills of.....619
experience with heavy cattle.....730
information wanted.....510
Shipping poultry.....1436
stock.....1394
Shoats out of condition, ration for..454
summer feed for.....490
Shocking corn.....1330
Short course at the Agricultural college..3, 4, 75, 787, 842, 1296, 1432, 1560
Short-horns, dual purpose.....1052
hand raised.....434
in the Argentine.....945
Mr. Cruickshank's method of breeding.....1014
Shredding corn fodder, cost of..103, 333, 719
Shrike (a reputation to be cleared)...1469
Shrinkage in corn.....1629
Side lights.....1634
Silage, cost of.....878
experiment at Ames.....474
for feeding steers.....784
from corn fodder.....1643
ration, a balanced.....448
Silo, a plea for the.....1506
and ensilage.....449, 683, 743, 796, 821, 844, 868, 892, 915, 957, 1005
deep and shallow.....405
endorsement of.....1028
for the beef producer.....697
in the west, the.....412
building of.....251, 732, 868, 915, 1028, 1167, 1298
Sioux City Interstate fair..1128, 1129, 1137
Skim-milk calves, molasses for.....15
fat in.....1507
for pigs.....813, 1027
Skimming station.....678, 714
Skunks, poisoning.....79, 754
Slant of sun's rays.....784, 842
Sled, that old farm.....702, 820
Slough lands that will not grow corn. 399
Small grains as nurse crops.....7
Smartweed, Muhlenberg....685, 858, 1196
Smut, corn.....699, 883, 1095
of different grains.....398
of wheat, loose.....834, 1094
treating oat..240, 411, 435, 470, 858, 951
treating wheat.....411, 1466
Sod, how deep to plow.....1123
Soft maple, time to cut for fuel.....1593

Page

Soil condition in the northwest.....1339
improvement.....639
inexhaustible.....1254
investigations in Iowa.....1219
living things in the.....665
physical condition of.....635, 666, 809
under continuous grain cultivation, changes in prairie.....1437
Soiling crops.....698
partial.....1555
Sorghum and brood sows.....418
as a hog pasture.....380
as a winter pasture.....1094
for seed.....634, 719
for stock.....760
harvest.....1122
poison in.....99
raising and feeding.....665, 797
seed, quantity per acre.....727
Southern cured hams.....20
Sow, a prolific.....913
arched backs in.....82
assisting at farrowing time.....256, 454
cannibal.....472, 1617
the wooden.....524
Soy beans after wheat.....443
and cowpeas.....285, 586
and sweet corn.....571
and their use.....249
with corn silage.....1553
Sparrows and rats, ridding the premises.....329
Speltz.....194, 372, 383, 571
and oats.....245, 363
feeding value of.....333, 1150
in Illinois.....323
sowing.....321
Spontaneous combustion of clover hay.....5, 860
Spoor trophy, Iowa wins.....28
Spraying.....1573
Squirrel tail grass (good in evil things).....990
St. Louis cattle show.....1154, 1188
St. Louis swine and sheep show..1276, 1338
Stack, placing bundles in the.....1062
Stacking grain....831, 891, 929, 951, 1196
hay.....843
Stalks, get out the poor ones.....926
Stallion to work, put the.....1041
overworking young.....786
Standard, new.....1574
Starch and protein.....362
Start right.....1044
State board of education.....471
State fair and allied institutions.....1
barkers, why not muzzle.....1062
Steer feeding problem.....1525
cost of fattening.....82
cottonseed meal for.....383
for summer feeding, handling.....363
freight producing capacity of.....1182
making good.....45
migrations of.....1222
most profitable age to feed.....82
on feed, rations for.....281
treatment of thriftless.....77
Stimulate the farmer's interest in increased yield and improved quality.....1587
Stings, how to avoid them.....481
Stock companies, investing in.....754
feeding in England in 1903.....422
feeding in Iowa.....477
food adulterations.....8
remedy swindle.....639
share farming in Illinois.....365
shares of.....167
shipper against railways, complaints of central Iowa.....618
shipping bill, another.....420
yards strike.....993
Stockmen and corn growers, Illinois and the railroads..325, 366, 573, 604, 618
complaint of.....590
demand for lower live stock rates. 439
duty of.....634
meetings of.....1532, 1545
of interest to.....549, 883
partial relief.....637
situation, gravity of.....509
troubles, the underlying causes....403
whipsawing the.....606
Storage capacity of the farm.....878
Storms' inaugural.....810
Stubble, catch crops in corn and on.....1161, 1328
Study your flock.....139
Strawberries, experiments with.....1350
sick.....1023
Strife among the investigators.....1458
Strike, Donnelly on the.....1197
in packingtown.....1017, 1043, 1045, 1127, 1197
Succotash pasture.....1627
Sugar beets, profit from.....1459
Sulky trotting record, high wheeled..389
Summer in Nova Scotia.....1044
Sunflower as a crop.....1074
Surface cultivation.....319
Swarms, hiving stray.....371
Sweeney.....372, 859
Swine and Corn Breeders' meet.....789
at the International.....955
breeders and Iowa state fair.....1611
Breeders' meeting..837
breeding, fancy in.....1508
growers, two questions for.....380
growing, experience in.....524
Swing of the pendulum, the.....46
Swollen jowls of hogs.....1644
Takosis, a contagious disease of goats 473
Tanks, concrete.....1196
Tape worms in sheep.....924
Tariff on Canadian wheat.....1396
Taxation of mortgages.....1493
Teeth of a horse.....782, 1232, 1292
Telephone charges.....39, 207
exchange, farmers'.....338, 621, 687
poles along highways.....45
wires and lightning.....1333
Tenant and landlord.....458
discouraged.....570, 1232
Test all kinds of seeds.....238
bottles, cleaning.....209
for acid soils.....698
in the hands of the patrons, the...251
your seed corn.....131, 398, 459, 479, 543, 581, 591, 607
your seed oats.....365
Testing eggs.....1300
fat in cream.....714
grass seed for adulteration.....881
Tests, acid for milk.....1079
and saving seed corn.....443
Texas cattle in the Transvaal.....978
stockmen.....420, 667
Thanksgiving.....1426, 1429
"They won't stop the paper".....1459
Thistles, Canada.....725, 946, 991, 1186
Thoroughbred, scrub versus.....762
Thrashing, co-operative.....924
out of the shock.....728
outfit, small.....1162, 1267
Thumps.....569, 684
Tile, how deep to lay it.....726
or open ditches.....279
on hardpan soils.....1063
question.....902
Timothy and clover without a nurse crop, seeding.....397
Toads, where are they.....1015, 1097
Tomato, history of.....21
Tools, double-row.....1645
Topping corn.....1020
Torrens system of recording land

titles 1491
Traction engine, the 754
Transportation, a chance for reform..1461
of freight by electric lines 114
question, a word from Texas on the 949
tax 1125
the president on 1556
Trees and fruits for South Dakota ... 168
and shrubs for planting 737
for the farm 513
high vs. low-headed 328
how to plant them 577
on the roadside 512
protection from borers 244
protection from rabbits 40, 105, 203
seeds per pound 1333
staking young 1084
why not grow the best 887
Trusts, controlling the 322
farmers' 34
get rebate, should 1460
problem 38, 40
Tuberculosis, human and bovine 1072
in chickens 998
in hogs 1522
Tuberculous cow, a 325, 1072
Turkeys in brooders 764
notes 444
wild 1336
worms in 1498
Twenty acre farm 967, 975
Two days' market 854, 904, 990, 1045
evils 954
Udders, corn and caked 1132
inflammation 1475
Uncle Henry's letter to the corn contest boys 36, 67, 99, 195, 365
Use the knife 508, 1210
your opportunities 238
Utensils needed, better 1005
Vent gleet 246
Ventilation for corn cribs 1124, 1363
Vetch, hairy 282, 293, 318
Victory for men who bring things to pass 1430
Vinegar and cider making..606, 1151, 1523
Wallaces' Farmer and the grain buyer.1123
outside Iowa 1267, 1601
War cloud in the East..101, 701, 785, 1043
Warbles in cattle...281, 320, 446, 571, 883
Warts on cattle 944
on cow's teats 251
Water witch 603, 727, 768
Water supply, farm..132, 476, 561, 593, 602
Weather, December 1566
forecasts 1561
prophets, false 818
September 1100
what kind will there be next winter.1470
Weed breeding patch 1019
destroyer, sulphate of iron 1596
Weeder, value of 1374, 1645
Weeds, common 1200, 1124
in the hog pasture 861
killing with bluestone 760
noxious 1185
used in medicine 476, 1098
Weevil in the grain bin 1586
New York 806
Weight, developing early 587
of hogs 1444, 1540
of calves 66, 254, 402, 493, 788
of chickens, relative difference between live and dressed 1542
Well planned work 1220
Wells on the Rockwell Co-operative society 1477
Western view of Wallaces' Farmer..1267
Wet seasons and insect pests 854
Wheat, a business opportunity 999
acreage, decreased 1328
and corn exports 786
another year of high priced 923
as a hog ration 684
belt stockmen 420
crop in western Canada 1333
crop of 1905 1093
deficient stands of winter 506
does variety degenerate when grown in one locality 944
growing, some points 996
midge, the 902
on clover sod, winter 1100
on corn stubble 991
pasturing 1490, 1558
plant, root system 1039
prepare for fall 922
production in Argentina 905
prospects, winter 98, 199, 602
rolling newly sown winter 1221
rusted, feeding value 1468
selection for seed of winter 1037
situation, the 1630
time to cut 858
top dressing, fall 1491
Whey vs. separator milk 572
Whitewash, government 1183
Willow hedge 1296
Windbreaks 512, 543
Wire, ask your dealer for wrought iron 1426
cheap and rotten barbed 1256, 1327
cuts or bruises, enlargements due to 398
fence makers say, what 1401
fence stretcher, a good woven 1162
fences, ground your 436
galvanized 1150
Women and poultry 974, 1574
clubs, country 643
Wood ashes, manurial value 359
preservation 914
Woody Tongue in cattle 1162
Wool market 1427
Word personal, a 232, 233
Workshop, the farmer's 1186
World growing more Christ-like, is..1586
wide decline in ocean shipping 909
Worm, clover hay 366
corn ear 729
corn silk 859
in chickens 546
in colts 1291
in horses 362, 1566
in pigs and sows 214, 1560
in sheep, stomach 1534
in the beehive 1041
in turkeys 1498
wheat joint 884
Worn-out lands, restoring 506
Writing for agricultural papers 1630
Wyandottes, single combed 514

SUNDAY SCHOOL LESSONS, 1904.

John the Revivalist 17
The Baptism and Temptation of Jesus 49
The First Visit of Jesus to His Home Town 81
Fishers of Men 113
A Sabbath at Capernaum 145
The Son of Man Forgives Sins 177
Jesus on Sabbath Observance 211
Hearers and Doers 253
Jesus the Human and the Divine 297
The Death of John the Baptist 337
Jesus Feeds the Five Thousand 377
A Heathen Woman's Prayer 451
The Risen Christ 487
Peter's Confession and Christ's Rebuke 521
The Mission of the Seventy 553
How to Pray 585
The Strenuous Christian Life 617
The Prodigal Son 649
True Greatness in Christ's Kingdom.. 681
The Passover and the Lord's Supper. 711
The Trial of Jesus Before Pilate 739
The Crucifixion of Jesus 767
The Resurrection of Jesus 793
Why Was the Kingdom Divided 841
The Sin of the Son of Nebat 865
A Reform in Administration 889
A Good King Goes Wrong and Reforms 911
A Bad Father and a Worse Son 931
Elijah Trusts the Lord for His Board 953
Elijah and Ahab's Steward 977
The Crisis on Mt. Carmel 1001
Elijah's Fall From Grace 1025
The Supreme Crisis in the Life of Elijah 1049
The Translation of Elijah 1077
The Reproof of a Lay Preacher 1107
Elisha Succeeds Elijah 1165
How the Debt of the Preacher's Widow Was Paid 1199
Elisha and the Farmer's Wife of Shunem 1235
The Cleansing of the Heathen General.1271
The Invisible Champions of a Righteous Cause 1307
The Boy King 1343
Repairing the Temple 1377
The Message of Isaiah to the Jewish People 1409
Intemperance in High Places 1441
The Reopening of the Temple 1473
The Captivity of the Ten Tribes 1505
The Prince of Peace 1569
The Life and Light of Men 1603
The Testimony of John the Baptist...1641

ILLUSTRATIONS.

Acme Harvester Co. 1647
Agricultural building on Iowa state fair grounds 728, 1066
Alfalfa, before and after—views on two farms in Nebraska 828
field in Nebraska 1361
Meal Co., "An Informal Teaparty"..1037
scenes in Nebraska 901
Allen & Co., S. L., cultivator at work 406
American Cream Separator Co., separator 331
American Hardware Mfg. Co., separator 959
Ames, A. L. 1591
Ames, J. T., hogs 38
An informal teaparty, Alfalfa Meal Co. 1037
Angle Lamp Co. 289
Angus bull, Woodlawn 53484, Roycroft Farms 306
bull, Zaire the Great, M. P. & S. E. Lantz 1093
calves, A. C. Binnie 971
cattle, M. E. Darby 1181
cattle, E. T. Davis 1061, 1067
cattle, Kerricks 1611
cattle, C. Krambeck 1611
cattle, C. J. Martin 1181
cattle, sold by Clay, Robinson & Co. 697
cattle, C. J. Williams 1097
cow and heifer, Dorothea and Maudie Wedholme, Bales & Sons.1181
steer, Clear Lake Jute 2nd...1521, 1585
Armstrong & Sons, J. B., corn 291
Ausman, L. E., and Held Bros., Poland China boar, Kingswood Perfection 70
Bad road pictures 1163
Bales & Sons, Angus cow and heifer, Dorothea and Maudie Wedholme..1181
Belgian stallion, Marengo 2d, H. A. Briggs 360
stallion, Taylor & Jones 129
stallions, Dunham, Fletcher & Coleman 397
stallions, Keiser Bros. 633
Belle City Mfg. Co., thrasher 773
Bentley, C. E. 242
Berkshire boar, Wantage King, Jr., B. B. Leonard 1349
Berry Seed Co., A. A., pumpkin 259
Binnie, A. C., Angus calves 1181
Bird & Son, F. W., a big barn 1195
Black, D. W., champion load of Herefords 1527
Bover Grinder and Furnace Works, factory 262
feed grinder 1615
furnace 994, 1368
Bowsher, N. G. Co., grinders 346
Briggs, H. A., Belgian stallion, Marengo 2d 360
Buckles, E., Hereford herd 231
Buckbee, H. W., factory 427
Burge, G. H., Short-horn bull 1061
Callahan, Col. T. C. 19
Canadian Northern R. R. scenes 1325
Capital City Commercial College building 1469
Carey, Wm., Poland China boar, Iowa Perfection 1467
Cherry Mfg. Co., litter and feed carrier 1435
Cherry, Montgomery Ordinaire 282
Chicago Flexible Shaft Co., shearing machine 346
Chicago Gasoline Engine Co., engine at work 1467
Clay Robinson & Co., Angus cattle.. 697
Hereford cattle 161
Hereford steers .....
lambs 433, 781, 1553
office 68
Clydesdale, Glengarry, T. L. Wibray.1253
Coad, Mark M., Percheron mare, Annie Laurie 96
Coffman Bros., Short-horn cow, Wilhelmina 733
Colorado potatoes 1634
Cook, G. W., Polled Durhams 1217
Cooley & Jones, harness 575
Corn boys' medal 39
photograph 65, 286
Corn contest boys, Buena Vista Co.. 572
exhibits and views 1598, 1599
prize corn 1405
Corn Growers' association, picture of officers 1647
Cowpeas on oat stubbles 1161
Cownie Glove Co., factory 11
"Kinghorse" gloves 627
Cummins, Hon. A. B. 1594
Cyphers Inc. Co. 527
Dan Patch day at Des Moines 1066
Darby, M. E., doddies 971
Davenport, T. A., Poland China boar, D.'s Perfection 1297
Short-horn cattle 1149
Davis, E. T., Angus cattle 1061, 1067
DeClow, W. L., German Coach stallion, Arno 1635
Deere & Mansur Co., corn planter at work 437
Denning Fence Works, factory 799
Des Moines Gas Engine & Electric Co., engine 995
Des Moines Incubator Co., incubator. 255
Doddies, M. E. Darby 971
Dunham, Fletcher & Coleman, Belgian stallions 396
French Coach stallion, Roy 537
Percheron stallion, Barnum 1457
Duroc Jersey boar,, American Royal, Edmonds, Shade & Co. 132
boar, King Perfection, G. A. Munsen 1341
boar, Orion Chip, A. E. Poush 1460
boar, Proud Advance 28549....164, 1231
boar, Van's Perfection, Gilbert Van-Patten 1328
Edmonds, Shade & Co., Duroc boar, American Royal 15453 132
Edwards, F. A., Short-horn bull calf..1061
Electric Wheel Co. 589
Elkhart Car. & Har. Mfg. Co. 671
Empire Cream Sep. Co., booklet cover exhibit 1299
Empire Mfg. Co., wagon 799
Enterprise Wind Mill Co., National manure spreader 452
Fallon, Robt., Percheron mares 262
Farmer's team in central Italy 1013
Field, Henry, seed corn 306
Flatt, W. D., Short-horn steer 1592
Fluck, H. J., Hereford steer 1592
Forman, L. W. 1647
French Coach stallion, Roy, Dunham, Fletcher & Coleman 537
Fritz & Shea, Hereford cow 1061
Fulkerson, Jos. R., concrete tanks 1196
Funke, home of E. 760
Funkhouser, Hereford cow, Romaine.1181
Galloway bull, Imp. Worthy 3rd., Meadow Lawn Stock Farm 569
cattle, E. H. White 1067
German Coach stallion, Arno, W. L. DeClow 1635
Gray, W. W., Hereford bull, Printer.. 505
Gregory, Ira, Plymouth Rock cockerel 643
Gregory, Roy 1267
Harlan sale pavilion 871
"Having Their Pictures Took" 1606
Hays, Prof. W. M. 1610
Healy, F. P., Short-horn cow, Lady Sale Princess 2nd 193
Healy, O. M., Short-horn bull, 2nd Duke of Oaks 1489
Held Bros. and L. E. Ausman, Poland China boar, Kingswood Perfection 70
Henderson & Sons, P. G., Red Poll cows 805
Hereford bull, Imp. Albany, C. A. Jamison 277
bull, Printer, W. W. Gray 505
cow, Fritz & Shea 1061
cow, Romaine, Funkhouser 1181
herd, E. Buckles 231
steer, Challenger at the world's fair 989
steer, H. J. Fluck 1592
steers sold by Clay, Robinson & Co. 161, 317, 877
champion load, D. W. Black 1527
F. W. Schiele 965
Redhead Bros. 280
Herrick Refrigerator Co., refrigerator 461, 823
Highland Park College 941
Hill & Anderson, Short-horn herd 1188
Hogs, J. T. Ames 38
Holstein cows at state fair 1078
Howell, home of J. P. 33
International Live Stock exposition, building 1526
Iowa Agricultural college, farm blacksmithing 1186
judging saddle horses 725
Iowa Inc. Co., incubator 198
Jamison, C. A., Hereford bull, Imp. Albany 277
Janesville Mach. Co., Hallock weeder. 595
Jones, M. E., Short-horn bull, Imp. Lord Banff 362
Jones of Binghamton, factory 847
Johnson Co., M. M., factory 40
Kalamazoo Car. & Har. Co., carriage 527
Kalamazoo Stove Co., stoves 461, 1298
Kiel, Col. C. C. 132
Keiser Bros., Percheron, Shire and Belgian stallions 633
Percheron stallion, Paul 1625
Kemper-Paxton Mer. Co., building..1435
Kennard-Haines Co., traction engine.1018
Kentucky jacks, Colussus and Big John, Reno & Morrison 320
Kerrick, Angus cattle 1611
Kirk Mfg. Co., weeder 498
Krambeck, C., Angus cattle 1611
Lambs, Clay, Robinson & Co.433, 781, 1553
Lantz, M. P. & S. E., Angus bull, Zaire the Great 1093
Lee, Geo. H. Co., "Mandy's" poultry school 611
Leonard, B. B., Berkshire boar, Wantage King Jr. 1349
Lowden, F. O., Short-horn bull, Ceremonious Archer 601
McDermott, C. W., Short-horn bull...1061
McKerrow, Geo., Oxfords 1070
McLaughlin & Watts, Short-horn bull, Imp. Merry Hampton 1121
Manley & Co., Duroc Jersey boar, Proud Advance 28549 164
Martin, C. J., Angus cattle, Prince Ito 2d and Blackbird 26th 1181
Meadow Lawn Stock Farm, Galloway bull, Imp. Worthy 3rd 569
Menzel, home of J. H. 33
Midland Two-Row corn cultivator...1435
Munson, G. A., Duroc Jersey boar, King Perfection 1341
Musgrave Co., farm scale 560
Neece, W. H., Short-horn bull, Spartan Cupbearer 665
North Mo. Cattle Sale Assn., pavilion 992
Omega Sep. Co. 685
One way to give the bull exercise 883
Orchard in Nebraska 1361
Oxfords, George McKerrow 1070
Pabst Stock Farm, Percheron team .. 1
Parsons, H. D., Short-horn bull.....1061
Pascal, D. L. 1647
Percherons and Shires, Prichard & Hodgson 39
mare, Anna Laurie 23303, Mark M. Coad 97
mare, Robt. Fallon 262
stallion, Barnum, Dunham, Fletcher & Coleman 1457
stallion, Paul, Keiser Bros. 1625
stallion, Rosignal, Prichard & Hodgson 469
stallion, Taylor & Jones 129
stallions, Keiser Bros 633
team, Pabst Stock Farm 1
Perdue university, champion cross bred 1592
Peterson, Albert, thrashing outfit....1162
Plans, barn 525
feed rack 1401
feed rack and trough 682
for anchoring corner posts 758
hay barn 758
hay dump 812
hay rack 525
hog dipping vat 735
hog shed and crib 490
model creamery 1618
poultry house and scratching shed. 674
self feeder for hogs 684
sewage system for the farm 1125
sheep and swine hurdles 1405
woven wire fence stretcher 1162
Plymouth Rock cockerels, Ira Gregory 643
Poland China boar, D.'s Perfection, T. A. Davenport 1297
boar, Iowa Perfection, Wm. Carey..1467
boar, Kingswood Perfection 21777, Held Bros. & L. E. Ausman 70
Gus Pufahl 251
Polled Durham bull, Young Hamilton, E. R. Sisson 823
G. W. Cook 1217
Poush, A. E., Duroc Jersey, Orion Chip 1460
Prichard & Hodgson, Percheron stallion, Rosignal 469
Proud Advance Stock Co., Duroc Jersey boar, Proud Advance 1231
Pufahl, Gus, silo and Poland-Chinas. 251
Putnam & Co., H. J., shoes 560
Rankin, D., eighteen cultivators at work in field of 574
Rasmuss, Jno., Short-horn bull, Fritz Eustace 1289
Ratekin's Seed House, Pride of Nishna seed corn 360
Red Poll cows, P. G. Henderson & Sons 805
Redhead Bros., Herefords 280
Reece, L. C., buildings and Short-horns 761
Reno & Morrison, Kentucky jacks, Colussus and Big John 320
Rider-Ericsson Engine Co., pump ... 547
Roycroft Farms, Angus bull, Woodlawn 53484 306
Scenes from a ranch in western Nebraska 1588-1589
Schiele, F. W., Herefords 965
Scott, home of F. G. 882
Sheep at Greeley, Colo 1604
at the International 1605
in England and Scotland 921
on the range in Wyoming 753
Shire mare, Taylor & Jones 129
stallion, Imp. Montford Lordship, Taylor & Jones 357
stallion, Taylor & Jones 129
stallion, Keiser Bros. 633
Prichard & Hodgson 39
Short course students at Iowa Agricultural college 853
Short-horn bull, Ceremonious Archer, F. O. Lowden 601
bull, Fritz Eustace, John Rasmess.1289
bull, Imp. Blackwatch, Z. S. & F. M. Talcott 1393
bull, Imp. Lord Banff, M. E. Jones. 362
bull, Imp. Merry Hampton, McLaughlin & Watts 1121
bull, Spartan Cupbearer, W. H. Neece 665
bull, 2nd Duke of Oaks, O. M. Healy.1489
bull, C. W. McDermott 1061
bull, G. H. Burge 1061
calf, Asa Turner 1019
cattle, T. A. Davenport 1149
cow, Lady Sale Princess 2nd, F. P. Healy 193
cow, Liberty 5th, Taylor-Stutzman-Caldwell 1152
cow, Wilhelmina, Coffman Bros. 733
herd, Hill & Anderson 1188
steer, W. D. Flatt 1592
and buildings, L. C. Reece 761
Sisson, E. R., Polled Durham bull, Young Hamilton 823
Smith Manure Spreader Co., spreader 198, 992
Springer, home of H. M. 33
Standard Paint Co., Ruberoid roofing.1401
Steen, Chas. 1067
Stover Mfg. Co., Samson wind mill. 425
Stow, Carl B. 559
Talcott, Z. S. & F. M., Short-horn bull, Imp. Blackwatch 1393
Taylor & Jones, a prize winner 1628
Percheron, Shire and Belgian stallions and mares 129
Shire stallion, Imp. Montford Lordship 357
Taylor-Stutzman-Caldwell, Short-horn cow, Liberty 5th 1152
Thrashing outfit, Albert Peterson....1162
Townsley, corn crib of B. F. 1634
Turner, Asa, Short-horn calf 1019
Turner, Watson B. & Son, barn and hog house 196
Union Stock Yards Co., headquarters at fair 1070
Van Patten, Gilbert, Duroc Jersey boar, Van's Perfection 1328
Vegetable exhibit at fair 1071
Wallace, Mrs. Henry 243
Wallaces' Farmer composing room.. 234
den of editor-in-chief 233
furnace 236
general office 234
headquarters at fair 1067
mailing room 235
office of advertising manager..... 233
office of associate editor and manager 233
press and press room 235
subscription list room 236
type setting machine 236
Waterloo Business college, building.1186
Western Harness & Supply Co., tank heater 1615
Westrope, Tommie 1267
Wharton, W. H. 1647
Wheat crop with no treatment, Marion Co., Ill. 639
with legume and lime treatment, Marion Co., Ill. 639
with legume, lime and phosphorus treatment, Marion Co., Ill. 639
White, E. H., Galloway cattle 1067
Wibray, T. L., Clydesdale, Glengarry.1253
Williams, C. J., Angus cattle 1097
Windsor, a new seedling apple 363
Witte Iron Works Co., engine 382
Women's building at fair, verandas ...1070
Yoder, H. M. 242